



## Custom Capabilities Power Transformers All Switch Mode Power Topologies



### PRODUCT TYPES

- Switch mode power topologies: flyback, forward converter, push / pull, full bridge, half bridge, LLC resonant, isolated buck  
Capabilities:
  - Frequencies to 10 MHz+
  - Power levels to 10 kVA
- Gate-drive transformers  
Capabilities:
  - Frequencies to 500 kHz
  - MOSFET / IGBT voltages to 1200 V
- Current sense transformers  
Capabilities:
  - Frequencies from 50 Hz / 60 Hz to > 10 kHz
  - Current to 5000 A
- Linear single phase and three phase power transformers  
Capabilities:
  - Frequencies to 50 Hz / 60 Hz, 400 Hz
  - Power levels to 10 kVA

### OVERALL CAPABILITIES

- Operating temperature range from -55 °C to +220 °C
- Designed to meet UL, CSA, VDE, and IEC safety requirements
- Ruggedized packages for extreme environments
- AEC-Q200 qualified (automotive compliant)
- Space grade compliant to MIL-STD-981
- Multi-site manufacturing - USA, Dominican Republic, Mexico, China

### MATERIAL / PROCESS CAPABILITIES

- Conductor geometries: litz wire, foil, round magnet wire, rectangular magnet wire, square magnet wire, planar, stamped windings
- Conductor materials: copper, aluminum
- Core materials: ferrite, powdered iron alloys, MPP, high flux, Kool Mu®, amorphous, tape wound, laminated
- Terminations: through-hole, SMD, press fit, flying lead
- Potted and vacuum varnish impregnated
- Lead (Pb)-free capability
- Automated winding, soldering, assembly, and test capability
- SOLIDWORKS® and AutoCAD 3D design software

### INDUSTRIES SERVED

To view our custom magnetics application capabilities brochure, click below.

- [Avionics](#)
- [Military](#)
- [Medical](#)
- [Industrial controls](#)
- [Automotive](#)
- [Test and instrumentation](#)
- [Space](#)
- [Alternative energy](#)

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To order products, please use the electronic order form: <a href="http://www.vishay.com/landingpage/custom-magnetics/transformerform.html">www.vishay.com/landingpage/custom-magnetics/transformerform.html</a>



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